



BARGE "KIRBY 10548"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

August 8, 2012

PRECISION MEASUREMENT
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<http://www.pmacorp.net>



BARGE "KIRBY 10548"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,759.76	0	3,530.62	0	3,277.89	0	3,025.16	0	2,763.23	0	2,467.77	0	2,171.68		
1/4		1/4		1/4		1/4	3,758.73	1/4	3,525.36	1/4	3,272.63	1/4	3,019.90	1/4	2,757.08	1/4	2,461.60	1/4	2,165.51		
1/2		1/2		1/2		1/2	3,757.70	1/2	3,520.09	1/2	3,267.36	1/2	3,014.63	1/2	2,750.93	1/2	2,455.43	1/2	2,159.34		
3/4		3/4		3/4		3/4	3,754.60	3/4	3,514.83	3/4	3,262.10	3/4	3,009.37	3/4	2,744.78	3/4	2,449.27	3/4	2,153.17		
1		1		1		1	3,751.51	1	3,509.56	1	3,258.83	1	3,004.10	1	2,738.63	1	2,443.10	1	2,147.00		
1/4		1/4		1/4		1/4	3,748.41	1/4	3,504.30	1/4	3,251.57	1/4	2,998.84	1/4	2,732.48	1/4	2,436.93	1/4	2,140.84		
1/2		1/2		1/2		1/2	3,745.31	1/2	3,499.03	1/2	3,246.30	1/2	2,993.57	1/2	2,726.33	1/2	2,430.76	1/2	2,134.67		
3/4		3/4		3/4		3/4	3,741.17	3/4	3,493.77	3/4	3,241.04	3/4	2,988.31	3/4	2,720.18	3/4	2,424.59	3/4	2,128.50		
2		2		2		2	3,737.02	2	3,488.50	2	3,235.77	2	2,983.04	2	2,714.03	2	2,418.42	2	2,122.33		
1/4		1/4		1/4		1/4	3,732.87	1/4	3,483.24	1/4	3,230.51	1/4	2,977.78	1/4	2,707.88	1/4	2,412.25	1/4	2,116.16		
1/2		1/2		1/2		1/2	3,728.73	1/2	3,477.97	1/2	3,225.24	1/2	2,972.51	1/2	2,701.73	1/2	2,406.09	1/2	2,109.99		
3/4		3/4		3/4		3/4	3,723.60	3/4	3,472.71	3/4	3,219.98	3/4	2,967.25	3/4	2,695.58	3/4	2,399.92	3/4	2,103.82		
3		3		3		3	3,718.47	3	3,467.44	3	3,214.71	3	2,961.98	3	2,689.43	3	2,393.75	3	2,097.66		
1/4		1/4		1/4		1/4	3,713.33	1/4	3,462.17	1/4	3,209.45	1/4	2,956.72	1/4	2,683.28	1/4	2,387.58	1/4	2,091.49		
1/2		1/2		1/2		1/2	3,708.20	1/2	3,456.91	1/2	3,204.18	1/2	2,951.45	1/2	2,677.13	1/2	2,381.41	1/2	2,085.32		
3/4		3/4		3/4		3/4	3,703.04	3/4	3,451.64	3/4	3,198.91	3/4	2,946.19	3/4	2,670.98	3/4	2,375.24	3/4	2,079.15		
4		4		4		4	3,697.87	4	3,446.38	4	3,193.65	4	2,940.92	4	2,664.83	4	2,369.07	4	2,072.98		
1/4		1/4		1/4		1/4	3,692.70	1/4	3,441.11	1/4	3,188.38	1/4	2,935.65	1/4	2,658.68	1/4	2,362.91	1/4	2,066.81		
1/2		1/2		1/2		1/2	3,687.54	1/2	3,435.85	1/2	3,183.12	1/2	2,930.39	1/2	2,652.53	1/2	2,356.74	1/2	2,060.64		
3/4		3/4		3/4		3/4	3,682.36	3/4	3,430.58	3/4	3,177.85	3/4	2,925.12	3/4	2,646.38	3/4	2,350.57	3/4	2,054.48		
5		5		5		5	3,677.18	5	3,425.32	5	3,172.59	5	2,919.86	5	2,640.23	5	2,344.40	5	2,048.31		
1/4		1/4		1/4		1/4	3,672.00	1/4	3,420.05	1/4	3,167.32	1/4	2,914.59	1/4	2,634.08	1/4	2,338.23	1/4	2,042.14		
1/2		1/2		1/2		1/2	3,666.82	1/2	3,414.79	1/2	3,162.06	1/2	2,909.33	1/2	2,627.93	1/2	2,332.06	1/2	2,035.97		
3/4		3/4		3/4		3/4	3,661.64	3/4	3,409.52	3/4	3,156.79	3/4	2,904.06	3/4	2,621.78	3/4	2,325.89	3/4	2,029.80		
6		6		6		6	3,656.46	6	3,404.26	6	3,151.53	6	2,898.80	6	2,615.63	6	2,319.73	6	2,023.63		
1/4		1/4		1/4		1/4	3,651.28	1/4	3,398.99	1/4	3,146.26	1/4	2,893.53	1/4	2,609.48	1/4	2,313.56	1/4	2,017.46		
1/2		1/2		1/2		1/2	3,646.11	1/2	3,393.73	1/2	3,141.00	1/2	2,888.27	1/2	2,603.33	1/2	2,307.39	1/2	2,011.30		
3/4		3/4		3/4		3/4	3,640.93	3/4	3,388.46	3/4	3,135.73	3/4	2,883.00	3/4	2,597.18	3/4	2,301.22	3/4	2,005.13		
7		7		7		7	3,635.75	7	3,383.20	7	3,130.47	7	2,877.74	7	2,591.03	7	2,295.05	7	1,998.96		
1/4		1/4		1/4		1/4	3,630.57	1/4	3,377.93	1/4	3,125.20	1/4	2,872.47	1/4	2,584.88	1/4	2,288.88	1/4	1,992.79		
1/2		1/2		1/2		1/2	3,625.40	1/2	3,372.67	1/2	3,119.94	1/2	2,867.21	1/2	2,578.73	1/2	2,282.71	1/2	1,986.62		
3/4		3/4		3/4		3/4	3,620.13	3/4	3,367.40	3/4	3,114.67	3/4	2,861.92	3/4	2,572.58	3/4	2,276.54	3/4	1,980.45		
8		8		8		8	3,614.87	8	3,362.14	8	3,109.41	8	2,856.63	8	2,566.43	8	2,270.38	8	1,974.28		
1/4		1/4		1/4		1/4	3,609.60	1/4	3,356.87	1/4	3,104.14	1/4	2,851.34	1/4	2,560.28	1/4	2,264.21	1/4	1,968.11		
1/2		1/2		1/2		1/2	3,604.34	1/2	3,351.61	1/2	3,098.88	1/2	2,846.05	1/2	2,554.13	1/2	2,258.04	1/2	1,961.95		
3/4		3/4		3/4		3/4	3,599.07	3/4	3,346.34	3/4	3,093.61	3/4	2,840.76	3/4	2,547.96	3/4	2,251.87	3/4	1,955.78		
9		9		9		9	3,593.80	9	3,341.08	9	3,088.35	9	2,835.47	9	2,541.79	9	2,245.70	9	1,949.61		
1/4		1/4		1/4		1/4	3,588.54	1/4	3,335.81	1/4	3,083.08	1/4	2,830.18	1/4	2,535.63	1/4	2,239.53	1/4	1,943.44		
1/2		1/2		1/2		1/2	3,583.27	1/2	3,330.54	1/2	3,077.82	1/2	2,824.89	1/2	2,529.46	1/2	2,233.36	1/2	1,937.27		
3/4		3/4		3/4		3/4	3,578.01	3/4	3,325.28	3/4	3,072.55	3/4	2,818.70	3/4	2,523.29	3/4	2,227.20	3/4	1,931.10		
10		10		10		10	3,572.74	10	3,320.01	10	3,067.28	10	2,812.51	10	2,517.12	10	2,221.03	10	1,924.93		
1/4		1/4		1/4		1/4	3,567.48	1/4	3,314.75	1/4	3,062.02	1/4	2,806.31	1/4	2,510.95	1/4	2,214.86	1/4	1,918.77		
1/2		1/2		1/2		1/2	3,562.21	1/2	3,309.48	1/2	3,056.75	1/2	2,800.12	1/2	2,504.78	1/2	2,208.69	1/2	1,912.60		
3/4		3/4		3/4		3/4	3,556.95	3/4	3,304.22	3/4	3,051.49	3/4	2,793.97	3/4	2,498.61	3/4	2,202.52	3/4	1,906.43		
11		11		11		11	3,551.68	11	3,298.95	11	3,046.22	11	2,787.82	11	2,492.45	11	2,196.35	11	1,900.26		
1/4		1/4		1/4		1/4	3,546.42	1/4	3,293.69	1/4	3,040.96	1/4	2,781.67	1/4	2,486.28	1/4	2,190.18	1/4	1,894.09		
1/2		1/2		1/2		1/2	3,761.83	1/2	3,541.15	1/2	3,288.42	1/2	3,035.69	1/2	2,775.52	1/2	2,480.11	1/2	2,184.02	1/2	1,887.92
3/4		3/4		3/4		3/4	3,760.80	3/4	3,535.89	3/4	3,283.16	3/4	3,030.43	3/4	2,769.37	3/4	2,473.94	3/4	2,177.85	3/4	1,881.75

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 10548"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,875.59	0	1,579.24	0	1,282.74	0	986.24	0	695.79	0	399.12	0	102.48	0		0		0	
1/4	1,869.42	1/4	1,573.06	1/4	1,276.56	1/4	980.06	1/4	689.63	1/4	392.94	1/4	96.33	1/4	1/4	1/4		1/4	
1/2	1,863.25	1/2	1,566.89	1/2	1,270.39	1/2	973.89	1/2	683.46	1/2	386.76	1/2	90.17	1/2	1/2	1/2		1/2	
3/4	1,857.08	3/4	1,560.71	3/4	1,264.21	3/4	967.77	3/4	677.28	3/4	380.58	3/4	84.05	3/4	3/4	3/4		3/4	
1	1,850.91	1	1,554.53	1	1,258.03	1	961.66	1	671.10	1	374.40	1	77.93	1	1	1		1	
1/4	1,844.74	1/4	1,548.36	1/4	1,251.85	1/4	955.54	1/4	664.92	1/4	368.22	1/4	71.81	1/4	1/4	1/4		1/4	
1/2	1,838.57	1/2	1,542.18	1/2	1,245.68	1/2	949.43	1/2	658.74	1/2	362.04	1/2	65.69	1/2	1/2	1/2		1/2	
3/4	1,832.41	3/4	1,536.00	3/4	1,239.50	3/4	943.38	3/4	652.56	3/4	355.85	3/4	59.62	3/4	3/4	3/4		3/4	
2	1,826.24	2	1,529.82	2	1,233.32	2	937.32	2	646.38	2	349.67	2	53.56	2	2	2		2	
1/4	1,820.07	1/4	1,523.65	1/4	1,227.15	1/4	931.27	1/4	640.20	1/4	343.49	1/4	47.49	1/4	1/4	1/4		1/4	
1/2	1,813.90	1/2	1,517.47	1/2	1,220.97	1/2	925.22	1/2	634.02	1/2	337.31	1/2	41.43	1/2	1/2	1/2		1/2	
3/4	1,807.72	3/4	1,511.29	3/4	1,214.79	3/4	919.17	3/4	627.84	3/4	331.13	3/4	36.28	3/4	3/4	3/4		3/4	
3	1,801.55	3	1,505.12	3	1,208.61	3	913.12	3	621.65	3	324.95	3	31.12	3	3	3		3	
1/4	1,795.37	1/4	1,498.94	1/4	1,202.44	1/4	907.07	1/4	615.47	1/4	318.77	1/4	25.97	1/4	1/4	1/4		1/4	
1/2	1,789.19	1/2	1,492.76	1/2	1,196.26	1/2	901.02	1/2	609.29	1/2	312.58	1/2	20.82	1/2	1/2	1/2		1/2	
3/4	1,783.01	3/4	1,486.58	3/4	1,190.08	3/4	894.99	3/4	603.11	3/4	306.40	3/4	17.72	3/4	3/4	3/4		3/4	
4	1,776.84	4	1,480.41	4	1,183.91	4	888.95	4	596.93	4	300.22	4	14.63	4	4	4		4	
1/4	1,770.66	1/4	1,474.23	1/4	1,177.73	1/4	882.92	1/4	590.75	1/4	294.04	1/4	11.53	1/4	1/4	1/4		1/4	
1/2	1,764.48	1/2	1,468.05	1/2	1,171.55	1/2	876.88	1/2	584.57	1/2	287.86	1/2	8.43	1/2	1/2	1/2		1/2	
3/4	1,758.31	3/4	1,461.88	3/4	1,165.38	3/4	870.86	3/4	578.38	3/4	281.68	3/4	7.40	3/4	3/4	3/4		3/4	
5	1,752.13	5	1,455.70	5	1,159.20	5	864.84	5	572.20	5	275.50	5	6.37	5	5	5		5	
1/4	1,745.95	1/4	1,449.52	1/4	1,153.02	1/4	858.83	1/4	566.02	1/4	269.31	1/4	5.34	1/4	1/4	1/4		1/4	
1/2	1,739.78	1/2	1,443.34	1/2	1,146.84	1/2	852.81	1/2	559.84	1/2	263.13	1/2	4.31	1/2	1/2	1/2		1/2	
3/4	1,733.60	3/4	1,437.17	3/4	1,140.67	3/4	846.79	3/4	553.66	3/4	256.95	3/4		3/4	3/4	3/4		3/4	
6	1,727.42	6	1,430.99	6	1,134.49	6	840.77	6	547.48	6	250.77	6		6	6	6		6	
1/4	1,721.25	1/4	1,424.81	1/4	1,128.31	1/4	834.75	1/4	541.30	1/4	244.59	1/4		1/4	1/4	1/4		1/4	
1/2	1,715.07	1/2	1,418.64	1/2	1,122.14	1/2	828.74	1/2	535.12	1/2	238.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,708.90	3/4	1,412.46	3/4	1,115.96	3/4	822.72	3/4	528.93	3/4	232.23	3/4		3/4	3/4	3/4		3/4	
7	1,702.73	7	1,406.28	7	1,109.78	7	816.70	7	522.75	7	226.05	7		7	7	7		7	
1/4	1,696.55	1/4	1,400.10	1/4	1,103.60	1/4	810.68	1/4	516.57	1/4	219.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,690.38	1/2	1,393.93	1/2	1,097.43	1/2	804.66	1/2	510.39	1/2	213.68	1/2		1/2	1/2	1/2		1/2	
3/4	1,684.20	3/4	1,387.75	3/4	1,091.25	3/4	798.64	3/4	504.21	3/4	207.50	3/4		3/4	3/4	3/4		3/4	
8	1,678.03	8	1,381.57	8	1,085.07	8	792.63	8	498.03	8	201.32	8		8	8	8		8	
1/4	1,671.86	1/4	1,375.40	1/4	1,078.90	1/4	786.61	1/4	491.85	1/4	195.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,665.68	1/2	1,369.22	1/2	1,072.72	1/2	780.59	1/2	485.66	1/2	188.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,659.51	3/4	1,363.04	3/4	1,066.54	3/4	774.57	3/4	479.48	3/4	182.78	3/4		3/4	3/4	3/4		3/4	
9	1,653.33	9	1,356.87	9	1,060.36	9	768.55	9	473.30	9	176.60	9		9	9	9		9	
1/4	1,647.16	1/4	1,350.69	1/4	1,054.19	1/4	762.54	1/4	467.12	1/4	170.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,640.99	1/2	1,344.51	1/2	1,048.01	1/2	756.52	1/2	460.94	1/2	164.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,634.81	3/4	1,338.33	3/4	1,041.83	3/4	750.50	3/4	454.76	3/4	158.05	3/4		3/4	3/4	3/4		3/4	
10	1,628.64	10	1,332.16	10	1,035.66	10	744.48	10	448.58	10	151.86	10		10	10	10		10	
1/4	1,622.46	1/4	1,325.98	1/4	1,029.48	1/4	738.46	1/4	442.39	1/4	145.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,616.29	1/2	1,319.80	1/2	1,023.30	1/2	732.44	1/2	436.21	1/2	139.49	1/2		1/2	1/2	1/2		1/2	
3/4	1,610.12	3/4	1,313.63	3/4	1,017.12	3/4	726.36	3/4	430.03	3/4	133.31	3/4		3/4	3/4	3/4		3/4	
11	1,603.94	11	1,307.45	11	1,010.95	11	720.28	11	423.85	11	127.14	11		11	11	11		11	
1/4	1,597.77	1/4	1,301.27	1/4	1,004.77	1/4	714.20	1/4	417.67	1/4	120.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,591.60	1/2	1,295.09	1/2	998.59	1/2	708.12	1/2	411.49	1/2	114.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,585.42	3/4	1,288.92	3/4	992.42	3/4	701.95	3/4	405.31	3/4	108.64	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2012 CL - SW
CALCULATED: 08/08/2012 CL
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10548"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,472.96	0	3,241.88	0	2,980.14	0	2,718.39	0	2,456.15	0	2,193.00	0	1,929.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.05	1/4	3,236.43	1/4	2,974.69	1/4	2,712.94	1/4	2,450.67	1/4	2,187.52	1/4	1,924.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.13	1/2	3,230.98	1/2	2,969.23	1/2	2,707.49	1/2	2,445.19	1/2	2,182.04	1/2	1,918.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.22	3/4	3,225.52	3/4	2,963.78	3/4	2,702.04	3/4	2,439.71	3/4	2,176.55	3/4	1,913.40
1		1		1		1	3,467.48	1	3,220.07	1	2,958.33	1	2,696.58	1	2,434.22	1	2,171.07	1	1,907.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,464.73	1/4	3,214.62	1/4	2,952.87	1/4	2,691.13	1/4	2,428.74	1/4	2,165.59	1/4	1,902.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,461.99	1/2	3,209.16	1/2	2,947.42	1/2	2,685.68	1/2	2,423.26	1/2	2,160.11	1/2	1,896.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,459.25	3/4	3,203.71	3/4	2,941.97	3/4	2,680.22	3/4	2,417.78	3/4	2,154.63	3/4	1,891.48
2		2		2		2	3,454.81	2	3,176.26	2	2,936.51	2	2,674.77	2	2,412.29	2	2,149.14	2	1,885.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,450.36	1/4	3,192.81	1/4	2,931.06	1/4	2,669.32	1/4	2,406.81	1/4	2,143.66	1/4	1,880.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,445.92	1/2	3,187.35	1/2	2,925.61	1/2	2,663.86	1/2	2,401.33	1/2	2,138.18	1/2	1,875.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,441.48	3/4	3,181.90	3/4	2,920.16	3/4	2,658.41	3/4	2,395.85	3/4	2,132.70	3/4	1,869.55
3		3		3		3	3,436.17	3	3,176.45	3	2,914.70	3	2,652.96	3	2,390.36	3	2,127.21	3	1,864.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.85	1/4	3,170.99	1/4	2,909.25	1/4	2,647.51	1/4	2,384.88	1/4	2,121.73	1/4	1,858.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,425.54	1/2	3,165.54	1/2	2,903.80	1/2	2,642.05	1/2	2,379.40	1/2	2,116.25	1/2	1,853.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,420.23	3/4	3,160.09	3/4	2,898.34	3/4	2,636.60	3/4	2,373.92	3/4	2,110.77	3/4	1,847.62
4		4		4		4	3,414.88	4	3,154.63	4	2,892.89	4	2,631.15	4	2,368.44	4	2,105.28	4	1,842.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,409.54	1/4	3,149.18	1/4	2,887.44	1/4	2,625.69	1/4	2,362.95	1/4	2,099.80	1/4	1,836.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,404.19	1/2	3,143.73	1/2	2,881.98	1/2	2,620.24	1/2	2,357.47	1/2	2,094.32	1/2	1,831.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,398.85	3/4	3,138.28	3/4	2,876.53	3/4	2,614.79	3/4	2,351.99	3/4	2,088.84	3/4	1,825.69
5		5		5		5	3,393.49	5	3,132.82	5	2,871.08	5	2,609.33	5	2,346.51	5	2,083.36	5	1,820.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,388.13	1/4	3,127.37	1/4	2,865.63	1/4	2,603.88	1/4	2,341.02	1/4	2,077.87	1/4	1,814.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,382.77	1/2	3,121.92	1/2	2,860.17	1/2	2,598.43	1/2	2,335.54	1/2	2,072.39	1/2	1,809.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,377.42	3/4	3,116.46	3/4	2,854.72	3/4	2,592.98	3/4	2,330.06	3/4	2,066.91	3/4	1,803.76
6		6		6		6	3,372.06	6	3,111.01	6	2,849.27	6	2,587.52	6	2,324.58	6	2,061.43	6	1,798.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,366.71	1/4	3,105.56	1/4	2,843.81	1/4	2,582.07	1/4	2,319.09	1/4	2,055.94	1/4	1,792.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,361.35	1/2	3,100.10	1/2	2,838.36	1/2	2,576.62	1/2	2,313.61	1/2	2,050.46	1/2	1,787.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,356.00	3/4	3,094.65	3/4	2,832.91	3/4	2,571.16	3/4	2,308.13	3/4	2,044.98	3/4	1,781.83
7		7		7		7	3,350.65	7	3,089.20	7	2,827.45	7	2,565.71	7	2,302.65	7	2,039.50	7	1,776.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,345.29	1/4	3,083.75	1/4	2,822.00	1/4	2,560.26	1/4	2,297.17	1/4	2,034.01	1/4	1,770.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,339.94	1/2	3,078.29	1/2	2,816.55	1/2	2,554.80	1/2	2,291.68	1/2	2,028.53	1/2	1,765.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,334.58	3/4	3,072.84	3/4	2,811.10	3/4	2,549.35	3/4	2,286.20	3/4	2,023.05	3/4	1,759.90
8		8		8		8	3,329.13	8	3,067.39	8	2,805.64	8	2,543.87	8	2,280.72	8	2,017.57	8	1,754.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,323.68	1/4	3,061.93	1/4	2,800.19	1/4	2,538.39	1/4	2,275.24	1/4	2,012.09	1/4	1,748.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,318.22	1/2	3,056.48	1/2	2,794.74	1/2	2,532.90	1/2	2,269.75	1/2	2,006.60	1/2	1,743.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,312.77	3/4	3,051.03	3/4	2,789.28	3/4	2,527.42	3/4	2,264.27	3/4	2,001.12	3/4	1,737.97
9		9		9		9	3,307.32	9	3,045.57	9	2,783.83	9	2,521.94	9	2,258.79	9	1,995.64	9	1,732.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,301.87	1/4	3,040.12	1/4	2,778.38	1/4	2,516.46	1/4	2,253.31	1/4	1,990.16	1/4	1,727.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,296.41	1/2	3,034.67	1/2	2,772.92	1/2	2,510.98	1/2	2,247.82	1/2	1,984.67	1/2	1,721.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,290.96	3/4	3,029.22	3/4	2,767.47	3/4	2,505.49	3/4	2,242.34	3/4	1,979.19	3/4	1,716.04
10		10		10		10	3,285.51	10	3,023.76	10	2,762.02	10	2,500.01	10	2,236.86	10	1,973.71	10	1,710.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,280.05	1/4	3,018.31	1/4	2,756.57	1/4	2,494.53	1/4	2,231.38	1/4	1,968.23	1/4	1,705.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,274.60	1/2	3,012.86	1/2	2,751.11	1/2	2,489.05	1/2	2,225.90	1/2	1,962.74	1/2	1,699.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,269.15	3/4	3,007.40	3/4	2,745.66	3/4	2,483.56	3/4	2,220.41	3/4	1,957.26	3/4	1,694.11
11		11		11		11	3,263.69	11	3,001.95	11	2,740.21	11	2,478.08	11	2,214.93	11	1,951.78	11	1,688.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,258.24	1/4	2,996.50	1/4	2,734.75	1/4	2,472.60	1/4	2,209.45	1/4	1,946.30	1/4	1,683.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,252.79	1/2	2,991.04	1/2	2,729.30	1/2	2,467.12	1/2	2,203.97	1/2	1,940.82	1/2	1,677.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,473.88	3/4	3,247.34	3/4	2,985.59	3/4	2,723.85	3/4	2,461.63	3/4	2,198.48	3/4	1,935.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10548"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,661.22	1/4	1,398.06	1/4	1,134.75	1/4	873.47	1/4	614.06	1/4	350.77	1/4	87.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,655.74	1/2	1,392.58	1/2	1,129.26	1/2	868.07	1/2	608.58	1/2	345.28	1/2	82.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,650.25	3/4	1,387.09	3/4	1,123.78	3/4	862.67	3/4	603.09	3/4	339.80	3/4	76.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	1,644.77	1	1,381.60	1	1,118.29	1	857.26	1	597.61	1	334.31	1	71.31	1	1	1	1	1	1	1	
1/4	1,639.29	1/4	1,376.12	1/4	1,112.80	1/4	851.86	1/4	592.12	1/4	328.83	1/4	65.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,633.81	1/2	1,370.63	1/2	1,107.32	1/2	846.46	1/2	586.64	1/2	323.34	1/2	60.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,628.32	3/4	1,365.15	3/4	1,101.83	3/4	841.06	3/4	581.15	3/4	317.86	3/4	55.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	1,622.84	2	1,359.66	2	1,096.35	2	835.66	2	575.67	2	312.37	2	49.67	2	2	2	2	2	2	2	
1/4	1,617.36	1/4	1,354.18	1/4	1,090.86	1/4	830.26	1/4	570.18	1/4	306.89	1/4	44.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,611.88	1/2	1,348.69	1/2	1,085.38	1/2	824.86	1/2	564.69	1/2	301.40	1/2	38.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,606.40	3/4	1,343.20	3/4	1,079.89	3/4	819.46	3/4	559.21	3/4	295.92	3/4	33.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	1,600.91	3	1,337.72	3	1,074.41	3	814.06	3	553.72	3	290.43	3	28.99	3	3	3	3	3	3	3	
1/4	1,595.43	1/4	1,332.23	1/4	1,068.92	1/4	808.67	1/4	548.24	1/4	284.94	1/4	24.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,589.95	1/2	1,326.75	1/2	1,063.43	1/2	803.27	1/2	542.75	1/2	279.46	1/2	19.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,584.47	3/4	1,321.26	3/4	1,057.95	3/4	797.88	3/4	537.27	3/4	273.97	3/4	15.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	1,578.98	4	1,315.78	4	1,052.46	4	792.48	4	531.78	4	268.49	4	12.56	4	4	4	4	4	4	4	
1/4	1,573.50	1/4	1,310.29	1/4	1,046.98	1/4	787.08	1/4	526.30	1/4	263.00	1/4	9.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,568.02	1/2	1,304.80	1/2	1,041.49	1/2	781.69	1/2	520.81	1/2	257.52	1/2	7.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,562.54	3/4	1,299.32	3/4	1,036.01	3/4	776.29	3/4	515.33	3/4	252.03	3/4	4.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	1,557.05	5	1,293.83	5	1,030.52	5	770.90	5	509.84	5	246.55	5	3.42	5	5	5	5	5	5	5	
1/4	1,551.57	1/4	1,288.35	1/4	1,025.03	1/4	765.50	1/4	504.36	1/4	241.06	1/4	2.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,546.09	1/2	1,282.86	1/2	1,019.55	1/2	760.11	1/2	498.87	1/2	235.58	1/2	1.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,540.61	3/4	1,277.38	3/4	1,014.06	3/4	754.71	3/4	493.39	3/4	230.09	3/4	0.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	1,535.13	6	1,271.89	6	1,008.62	6	749.32	6	487.90	6	224.61	6		6	6	6	6	6	6	6	
1/4	1,529.64	1/4	1,266.40	1/4	1,003.17	1/4	743.92	1/4	482.42	1/4	219.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,524.16	1/2	1,260.92	1/2	997.73	1/2	738.52	1/2	476.93	1/2	213.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,518.68	3/4	1,255.43	3/4	992.29	3/4	733.13	3/4	471.44	3/4	208.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	1,513.20	7	1,249.95	7	986.89	7	727.73	7	465.96	7	202.67	7		7	7	7	7	7	7	7	
1/4	1,507.71	1/4	1,244.46	1/4	981.48	1/4	722.34	1/4	460.47	1/4	197.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,502.23	1/2	1,238.98	1/2	976.08	1/2	716.94	1/2	454.99	1/2	191.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,496.75	3/4	1,233.49	3/4	970.68	3/4	711.55	3/4	449.50	3/4	186.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	1,491.27	8	1,228.00	8	965.28	8	706.15	8	444.02	8	180.72	8		8	8	8	8	8	8	8	
1/4	1,485.78	1/4	1,222.52	1/4	959.88	1/4	700.75	1/4	438.53	1/4	175.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,480.30	1/2	1,217.03	1/2	954.48	1/2	695.36	1/2	433.05	1/2	169.75	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,474.82	3/4	1,211.55	3/4	949.08	3/4	689.96	3/4	427.56	3/4	164.27	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	1,469.34	9	1,206.06	9	943.68	9	684.57	9	422.08	9	158.78	9		9	9	9	9	9	9	9	
1/4	1,463.86	1/4	1,200.58	1/4	938.28	1/4	679.17	1/4	416.59	1/4	153.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,458.37	1/2	1,195.09	1/2	932.88	1/2	673.78	1/2	411.11	1/2	147.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,452.89	3/4	1,189.60	3/4	927.48	3/4	668.38	3/4	405.62	3/4	142.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	1,447.41	10	1,184.12	10	922.08	10	662.99	10	400.14	10	136.85	10		10	10	10	10	10	10	10	
1/4	1,441.93	1/4	1,178.63	1/4	916.67	1/4	657.59	1/4	394.65	1/4	131.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,436.44	1/2	1,173.15	1/2	911.27	1/2	652.20	1/2	389.17	1/2	125.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,430.96	3/4	1,167.66	3/4	905.87	3/4	646.80	3/4	383.68	3/4	120.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	1,425.48	11	1,162.18	11	900.47	11	641.36	11	378.19	11	114.94	11		11	11	11	11	11	11	11	
1/4	1,420.00	1/4	1,156.69	1/4	895.07	1/4	635.92	1/4	372.71	1/4	109.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1,414.52	1/2	1,151.20	1/2	889.67	1/2	630.48	1/2	367.22	1/2	104.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	1,409.03	3/4	1,145.72	3/4	884.27	3/4	625.03	3/4	361.74	3/4	98.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2012 CL - SW
CALCULATED: 08/08/2012 CL
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10548"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,456.23	0	3,231.13	0	2,971.04	0	2,710.95	0	2,450.40	0	2,188.91	0	1,927.42
1/4		1/4		1/4		1/4	3,455.32	1/4	3,225.71	1/4	2,965.62	1/4	2,705.53	1/4	2,444.95	1/4	2,183.46	1/4	1,921.97
1/2		1/2		1/2		1/2	3,454.41	1/2	3,220.29	1/2	2,960.20	1/2	2,700.11	1/2	2,439.50	1/2	2,178.01	1/2	1,916.52
3/4		3/4		3/4		3/4	3,453.51	3/4	3,214.87	3/4	2,954.78	3/4	2,694.70	3/4	2,434.05	3/4	2,172.56	3/4	1,911.07
1		1		1		1	3,452.60	1	3,209.45	1	2,949.37	1	2,689.28	1	2,428.61	1	2,167.12	1	1,905.63
1/4		1/4		1/4		1/4	3,449.87	1/4	3,204.04	1/4	2,943.95	1/4	2,683.86	1/4	2,423.16	1/4	2,161.67	1/4	1,900.18
1/2		1/2		1/2		1/2	3,447.15	1/2	3,198.62	1/2	2,938.53	1/2	2,678.44	1/2	2,417.71	1/2	2,156.22	1/2	1,894.73
3/4		3/4		3/4		3/4	3,444.42	3/4	3,193.20	3/4	2,933.11	3/4	2,673.02	3/4	2,412.26	3/4	2,150.77	3/4	1,889.28
2		2		2		2	3,441.70	2	3,187.78	2	2,927.69	2	2,667.60	2	2,406.82	2	2,145.33	2	1,883.84
1/4		1/4		1/4		1/4	3,437.28	1/4	3,182.36	1/4	2,922.27	1/4	2,662.19	1/4	2,401.37	1/4	2,139.88	1/4	1,878.39
1/2		1/2		1/2		1/2	3,432.87	1/2	3,176.94	1/2	2,916.85	1/2	2,656.77	1/2	2,395.92	1/2	2,134.43	1/2	1,872.94
3/4		3/4		3/4		3/4	3,428.46	3/4	3,171.52	3/4	2,911.44	3/4	2,651.35	3/4	2,390.47	3/4	2,128.98	3/4	1,867.49
3		3		3		3	3,424.04	3	3,166.11	3	2,906.02	3	2,645.93	3	2,385.02	3	2,123.53	3	1,862.05
1/4		1/4		1/4		1/4	3,418.76	1/4	3,160.69	1/4	2,900.60	1/4	2,640.51	1/4	2,379.58	1/4	2,118.09	1/4	1,856.60
1/2		1/2		1/2		1/2	3,413.48	1/2	3,155.27	1/2	2,895.18	1/2	2,635.09	1/2	2,374.13	1/2	2,112.64	1/2	1,851.15
3/4		3/4		3/4		3/4	3,408.20	3/4	3,149.85	3/4	2,889.76	3/4	2,629.67	3/4	2,368.68	3/4	2,107.19	3/4	1,845.70
4		4		4		4	3,402.93	4	3,144.43	4	2,884.34	4	2,624.26	4	2,363.23	4	2,101.74	4	1,840.25
1/4		1/4		1/4		1/4	3,397.61	1/4	3,139.01	1/4	2,878.93	1/4	2,618.84	1/4	2,357.79	1/4	2,096.30	1/4	1,834.81
1/2		1/2		1/2		1/2	3,392.30	1/2	3,133.59	1/2	2,873.51	1/2	2,613.42	1/2	2,352.34	1/2	2,090.85	1/2	1,829.36
3/4		3/4		3/4		3/4	3,386.99	3/4	3,128.18	3/4	2,868.09	3/4	2,608.00	3/4	2,346.89	3/4	2,085.40	3/4	1,823.91
5		5		5		5	3,381.68	5	3,122.76	5	2,862.67	5	2,602.58	5	2,341.44	5	2,079.95	5	1,818.46
1/4		1/4		1/4		1/4	3,376.36	1/4	3,117.34	1/4	2,857.25	1/4	2,597.16	1/4	2,335.99	1/4	2,074.51	1/4	1,813.02
1/2		1/2		1/2		1/2	3,371.03	1/2	3,111.92	1/2	2,851.83	1/2	2,591.74	1/2	2,330.55	1/2	2,069.06	1/2	1,807.57
3/4		3/4		3/4		3/4	3,365.71	3/4	3,106.50	3/4	2,846.41	3/4	2,586.33	3/4	2,325.10	3/4	2,063.61	3/4	1,802.12
6		6		6		6	3,360.38	6	3,101.08	6	2,841.00	6	2,580.91	6	2,319.65	6	2,058.16	6	1,796.67
1/4		1/4		1/4		1/4	3,355.06	1/4	3,095.67	1/4	2,835.58	1/4	2,575.49	1/4	2,314.20	1/4	2,052.71	1/4	1,791.22
1/2		1/2		1/2		1/2	3,349.74	1/2	3,090.25	1/2	2,830.16	1/2	2,570.07	1/2	2,308.76	1/2	2,047.27	1/2	1,785.78
3/4		3/4		3/4		3/4	3,344.42	3/4	3,084.83	3/4	2,824.74	3/4	2,564.65	3/4	2,303.31	3/4	2,041.82	3/4	1,780.33
7		7		7		7	3,339.10	7	3,079.41	7	2,819.32	7	2,559.23	7	2,297.86	7	2,036.37	7	1,774.88
1/4		1/4		1/4		1/4	3,333.78	1/4	3,073.99	1/4	2,813.90	1/4	2,553.82	1/4	2,292.41	1/4	2,030.92	1/4	1,769.43
1/2		1/2		1/2		1/2	3,328.46	1/2	3,068.57	1/2	2,808.48	1/2	2,548.40	1/2	2,286.97	1/2	2,025.48	1/2	1,763.99
3/4		3/4		3/4		3/4	3,323.14	3/4	3,063.15	3/4	2,803.07	3/4	2,542.98	3/4	2,281.52	3/4	2,020.03	3/4	1,758.54
8		8		8		8	3,317.82	8	3,057.74	8	2,797.65	8	2,537.56	8	2,276.07	8	2,014.58	8	1,753.09
1/4		1/4		1/4		1/4	3,312.41	1/4	3,052.32	1/4	2,792.23	1/4	2,532.11	1/4	2,270.62	1/4	2,009.13	1/4	1,747.64
1/2		1/2		1/2		1/2	3,306.99	1/2	3,046.90	1/2	2,786.81	1/2	2,526.66	1/2	2,265.17	1/2	2,003.69	1/2	1,742.20
3/4		3/4		3/4		3/4	3,301.57	3/4	3,041.48	3/4	2,781.39	3/4	2,521.22	3/4	2,259.73	3/4	1,998.24	3/4	1,736.75
9		9		9		9	3,296.15	9	3,036.06	9	2,775.97	9	2,515.77	9	2,254.28	9	1,992.79	9	1,731.30
1/4		1/4		1/4		1/4	3,290.73	1/4	3,030.64	1/4	2,770.56	1/4	2,510.32	1/4	2,248.83	1/4	1,987.34	1/4	1,725.85
1/2		1/2		1/2		1/2	3,285.31	1/2	3,025.22	1/2	2,765.14	1/2	2,504.87	1/2	2,243.38	1/2	1,981.89	1/2	1,720.40
3/4		3/4		3/4		3/4	3,279.89	3/4	3,019.81	3/4	2,759.72	3/4	2,499.43	3/4	2,237.94	3/4	1,976.45	3/4	1,714.96
10		10		10		10	3,274.48	10	3,014.39	10	2,754.30	10	2,493.98	10	2,232.49	10	1,971.00	10	1,709.51
1/4		1/4		1/4		1/4	3,269.06	1/4	3,008.97	1/4	2,748.88	1/4	2,488.53	1/4	2,227.04	1/4	1,965.55	1/4	1,704.06
1/2		1/2		1/2		1/2	3,263.64	1/2	3,003.55	1/2	2,743.46	1/2	2,483.08	1/2	2,221.59	1/2	1,960.10	1/2	1,698.61
3/4		3/4		3/4		3/4	3,258.22	3/4	2,998.13	3/4	2,738.04	3/4	2,477.64	3/4	2,216.15	3/4	1,954.66	3/4	1,693.17
11		11		11		11	3,252.80	11	2,992.71	11	2,732.63	11	2,472.19	11	2,210.70	11	1,949.21	11	1,687.72
1/4		1/4		1/4		1/4	3,247.38	1/4	2,987.30	1/4	2,727.21	1/4	2,466.74	1/4	2,205.25	1/4	1,943.76	1/4	1,682.27
1/2		1/2		1/2		1/2	3,241.96	1/2	2,981.88	1/2	2,721.79	1/2	2,461.29	1/2	2,199.80	1/2	1,938.31	1/2	1,676.82
3/4		3/4		3/4		3/4	3,236.55	3/4	2,976.46	3/4	2,716.37	3/4	2,455.84	3/4	2,194.35	3/4	1,932.87	3/4	1,671.38

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10548"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,665.93	0	1,404.44	0	1,142.78	0	882.00	0	621.10	0	359.47	0	97.92	0		0		0	
1/4	1,660.48	1/4	1,398.99	1/4	1,137.33	1/4	876.58	1/4	615.65	1/4	354.02	1/4	92.50	1/4	1/4	1/4		1/4	1/4
1/2	1,655.03	1/2	1,393.54	1/2	1,131.88	1/2	871.17	1/2	610.20	1/2	348.57	1/2	87.09	1/2	1/2	1/2		1/2	1/2
3/4	1,649.58	3/4	1,388.08	3/4	1,126.43	3/4	865.75	3/4	604.75	3/4	343.12	3/4	81.67	3/4	3/4	3/4		3/4	3/4
1	1,644.14	1	1,382.63	1	1,120.98	1	860.34	1	599.30	1	337.66	1	76.25	1	1	1		1	1
1/4	1,638.69	1/4	1,377.18	1/4	1,115.52	1/4	854.92	1/4	593.85	1/4	332.21	1/4	70.87	1/4	1/4	1/4		1/4	1/4
1/2	1,633.24	1/2	1,371.73	1/2	1,110.07	1/2	849.51	1/2	588.40	1/2	326.76	1/2	65.48	1/2	1/2	1/2		1/2	1/2
3/4	1,627.79	3/4	1,366.28	3/4	1,104.62	3/4	844.09	3/4	582.95	3/4	321.31	3/4	60.09	3/4	3/4	3/4		3/4	3/4
2	1,622.35	2	1,360.83	2	1,099.17	2	838.68	2	577.50	2	315.86	2	54.70	2	2	2		2	2
1/4	1,616.90	1/4	1,355.38	1/4	1,093.72	1/4	833.26	1/4	572.05	1/4	310.41	1/4	49.36	1/4	1/4	1/4		1/4	1/4
1/2	1,611.45	1/2	1,349.93	1/2	1,088.27	1/2	827.85	1/2	566.60	1/2	304.96	1/2	44.03	1/2	1/2	1/2		1/2	1/2
3/4	1,606.00	3/4	1,344.48	3/4	1,082.82	3/4	822.43	3/4	561.15	3/4	299.51	3/4	38.69	3/4	3/4	3/4		3/4	3/4
3	1,600.56	3	1,339.02	3	1,077.37	3	817.02	3	555.70	3	294.06	3	33.35	3	3	3		3	3
1/4	1,595.11	1/4	1,333.57	1/4	1,071.92	1/4	811.61	1/4	550.25	1/4	288.61	1/4	28.82	1/4	1/4	1/4		1/4	1/4
1/2	1,589.66	1/2	1,328.12	1/2	1,066.46	1/2	806.20	1/2	544.79	1/2	283.16	1/2	24.28	1/2	1/2	1/2		1/2	1/2
3/4	1,584.21	3/4	1,322.67	3/4	1,061.01	3/4	800.79	3/4	539.34	3/4	277.71	3/4	19.75	3/4	3/4	3/4		3/4	3/4
4	1,578.76	4	1,317.22	4	1,055.56	4	795.38	4	533.89	4	272.25	4	15.21	4	4	4		4	4
1/4	1,573.32	1/4	1,311.77	1/4	1,050.11	1/4	789.93	1/4	528.44	1/4	266.80	1/4	12.49	1/4	1/4	1/4		1/4	1/4
1/2	1,567.87	1/2	1,306.32	1/2	1,044.66	1/2	784.49	1/2	522.99	1/2	261.35	1/2	9.76	1/2	1/2	1/2		1/2	1/2
3/4	1,562.42	3/4	1,300.87	3/4	1,039.21	3/4	779.04	3/4	517.54	3/4	255.90	3/4	7.04	3/4	3/4	3/4		3/4	3/4
5	1,556.97	5	1,295.41	5	1,033.76	5	773.60	5	512.09	5	250.45	5	4.31	5	5	5		5	5
1/4	1,551.53	1/4	1,289.96	1/4	1,028.31	1/4	768.15	1/4	506.64	1/4	245.00	1/4	3.40	1/4	1/4	1/4		1/4	1/4
1/2	1,546.08	1/2	1,284.51	1/2	1,022.85	1/2	762.71	1/2	501.19	1/2	239.55	1/2	2.49	1/2	1/2	1/2		1/2	1/2
3/4	1,540.63	3/4	1,279.06	3/4	1,017.40	3/4	757.26	3/4	495.74	3/4	234.10	3/4	1.59	3/4	3/4	3/4		3/4	3/4
6	1,535.18	6	1,273.61	6	1,011.95	6	751.81	6	490.29	6	228.65	6	0.68	6	6	6		6	6
1/4	1,529.74	1/4	1,268.16	1/4	1,006.50	1/4	746.37	1/4	484.84	1/4	223.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,524.29	1/2	1,262.71	1/2	1,001.12	1/2	740.92	1/2	479.39	1/2	217.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,518.84	3/4	1,257.26	3/4	995.71	3/4	735.48	3/4	473.93	3/4	212.30	3/4		3/4	3/4	3/4		3/4	3/4
7	1,513.39	7	1,251.80	7	990.29	7	730.03	7	468.48	7	206.85	7		7	7	7		7	7
1/4	1,507.94	1/4	1,246.35	1/4	984.88	1/4	724.59	1/4	463.03	1/4	201.39	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,502.50	1/2	1,240.90	1/2	979.46	1/2	719.14	1/2	457.58	1/2	195.94	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,497.05	3/4	1,235.45	3/4	974.05	3/4	713.69	3/4	452.13	3/4	190.49	3/4		3/4	3/4	3/4		3/4	3/4
8	1,491.60	8	1,230.00	8	968.63	8	708.25	8	446.68	8	185.04	8		8	8	8		8	8
1/4	1,486.15	1/4	1,224.55	1/4	963.22	1/4	702.80	1/4	441.23	1/4	179.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,480.71	1/2	1,219.10	1/2	957.80	1/2	697.36	1/2	435.78	1/2	174.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,475.26	3/4	1,213.65	3/4	952.39	3/4	691.91	3/4	430.33	3/4	168.69	3/4		3/4	3/4	3/4		3/4	3/4
9	1,469.81	9	1,208.20	9	946.97	9	686.46	9	424.88	9	163.24	9		9	9	9		9	9
1/4	1,464.36	1/4	1,202.74	1/4	941.56	1/4	681.02	1/4	419.43	1/4	157.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,458.92	1/2	1,197.29	1/2	936.14	1/2	675.57	1/2	413.98	1/2	152.34	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,453.47	3/4	1,191.84	3/4	930.73	3/4	670.13	3/4	408.52	3/4	146.89	3/4		3/4	3/4	3/4		3/4	3/4
10	1,448.02	10	1,186.39	10	925.32	10	664.68	10	403.07	10	141.44	10		10	10	10		10	10
1/4	1,442.57	1/4	1,180.94	1/4	919.90	1/4	659.24	1/4	397.62	1/4	135.99	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,437.12	1/2	1,175.49	1/2	914.49	1/2	653.79	1/2	392.17	1/2	130.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,431.68	3/4	1,170.04	3/4	909.07	3/4	648.35	3/4	386.72	3/4	125.10	3/4		3/4	3/4	3/4		3/4	3/4
11	1,426.23	11	1,164.59	11	903.66	11	642.90	11	381.27	11	119.66	11		11	11	11		11	11
1/4	1,420.78	1/4	1,159.13	1/4	898.24	1/4	637.45	1/4	375.82	1/4	114.22	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,415.33	1/2	1,153.68	1/2	892.83	1/2	632.00	1/2	370.37	1/2	108.79	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,409.89	3/4	1,148.23	3/4	887.41	3/4	626.55	3/4	364.92	3/4	103.35	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/08/2012 CL - SW
CALCULATED: 08/08/2012 CL
PRINTED: 08/08/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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